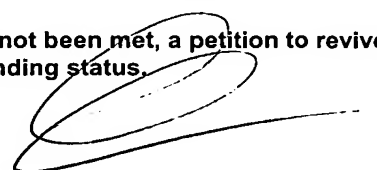


Form PTO-1390 OFFICE	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK	ATTORNEY'S DOCKET NUMBER  <b>GC787-2-PCT</b>  U.S. APPLICATION NO. (If known, see 37 CFR 1.5) [please provide] <b>107541737</b>
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		
INTERNATIONAL APPLICATION NO. <b>PCT/US2004/001334</b>	INTERNATIONAL FILING DATE <b>16 January 2004 – 16.01.04</b>	PRIORITY DATE CLAIMED <b>16 January 2003 – 16.01.03</b>
TITLE OF THE INVENTION <b>Methods for Site-Directed Mutagenesis and Targeted Randomization</b>		
APPLICANT(S) FOR DOE/EO/US  <b>Chris LEEFLANG, 925 Page Mill Road, Palo Alto, California 94304, USA</b> <b>Wilhelmus W.A.H. VAN DER KLEIJ, 925 Page Mill Road, Palo Alto, California 94304, USA</b>		
Applicant herewith submits to the United States Designated/Elected Office (do/eo/us) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(I).</li> <li>4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is transmitted herewith</li> <li>b. <input type="checkbox"/> has been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made</li> </ol> </li> <li>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor/s (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>		
<b>Items 11 to 20 below concern document/s or information included:</b>		
<ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included</li> <li>13. <input type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A change of power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing according to PCT Rule 13ter.2 and 37 CFR.1.621-1.825</li> <li>18. <input type="checkbox"/> A second copy of the published international Application under 35 USC 154(4)(4)</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the Int'l Appln. under 35 USC 154(4)(4)</li> <li>20. <input checked="" type="checkbox"/> Other items of information:           <div style="margin-left: 20px;">             ■ International Search Report           </div> </li> </ol>		

U.S. APPLICATION NO. (if known, see 37 CFR 1.55) <b>10/1541737</b> Please provide		INTERNATIONAL APPLICATION NO. <b>PCT/US2004/001334</b>		ATTORNEY'S DOCKET NUMBER <b>GC787-2-US</b>									
<b>The following fees are submitted:</b>				<b>CALCULATIONS</b>	<b>PTO USE ONLY</b>								
21.	<input checked="" type="checkbox"/>	Basic National Fee	\$ 300	\$300									
22.	<input type="checkbox"/>	If International Prelim Examination Report prepared by USPTO and all claims satisfy provision of PCT Article 33(1)-(4) All other situations	\$ 100 \$ 200	\$200									
23.	<input type="checkbox"/>	Search fee											
	<input checked="" type="checkbox"/>	Search fee has been paid on the International Application To the USPTO as an International Searching Authority	\$ 100										
	<input type="checkbox"/>	International Search Report prepared and provided To the Office	\$ 400										
	<input type="checkbox"/>	All other situations	\$ 500	\$100									
<b>TOTAL of 21, 22 and 23</b>				<b>\$600</b>									
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding seq listing or computer program listing). The fee is \$250 for each additional 50 sheets of paper or Fraction thereof  <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Total sheets</th> <th style="text-align: left;">Extra Sheets</th> <th style="text-align: left;">Number of each additional 50 or fraction thereof (round up to whole number)</th> <th style="text-align: left;">Rate</th> </tr> </thead> <tbody> <tr> <td>- 100 =</td> <td>/50 =</td> <td></td> <td style="text-align: right;">\$250</td> </tr> </tbody> </table>				Total sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to whole number)	Rate	- 100 =	/50 =		\$250		
Total sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to whole number)	Rate										
- 100 =	/50 =		\$250										
Surcharge of \$130 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(4)).				\$									
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE										
Total Claims	8	- 20 =	0 x \$ 50.00	\$									
Independent claims	2	- 3 =	0 x \$200.00	\$									
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$									
<b>SUBTOTAL =</b>				<b>\$600</b>									
Processing fee of \$130 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$									
<b>TOTAL NATIONAL FEE =</b>				<b>\$600</b>									
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$									
<b>TOTAL FEES ENCLOSED =</b>				<b>\$600</b>									
				Amount to be refunded:	\$								
				charged:	\$								
a. <input type="checkbox"/> A check in the amount of \$_____ to cover the above fees is enclosed. b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <b>07-1048</b> in the amount of \$600 to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <b>07-1048</b> . A duplicate copy of this sheet is enclosed.													
<b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b>													
SEND ALL CORRESPONDENCE TO:  <b>H. Thomas ANDERTON, JR.</b> <b>GENENCOR INTERNATIONAL, INC.</b> <b>925 PAGE MILL ROAD</b> <b>PALO ALTO, CALIFORNIA 94304-1013</b>  Tel. 650-846-7544 Fax 650-845-6504													
				SIGNATURE   <b>H. Thomas ANDERTON, JR.</b> (printed name)									
				Registration Number: <b>40,895</b>									

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
IN THE UNITED STATES DESIGNATED/ELECTED OFFICE

In re Patent Application of

Chris LEEFLANG, et al.

US Serial No. [please provide]

Based on PCT/US04/01334, filed 16 January 2004

For: **Methods for Site-Directed  
Mutagenesis and Targeted Mutagenesis  
and Targeted Randomization**

**TRANSMITTAL  
OF PATENT APPLICATION  
UNDER 35 USC 371**

EV346936961US

I hereby certify that this paper and attachments are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated hereunder and is addressed to the **Mail Stop PCT**, Commissioner of Patents, PO Box 1450, Alexandria, D.C. 22313-1450

08 July 2004

By:

Anke E. Luttrell

**Mail Stop PCT**

Honorable Commissioner of Patents  
PO Box 1450  
Alexandria, D.C. 22313-1450

Dear Sir:

Attached, for entering the national phase of International Patent Application PCT/2004/001334, are the following documents:

1. Form PTO 1390 - Transmittal Letter to the US DO/EO/US Concerning a Filing under 35 USC 371;
2. International Patent Publication WO 2004/064744
3. International Search Report

Respectfully submitted,

GENENCOR INTERNATIONAL, INC.

08 July 2005

By:

H. Thomas ANDERTON, JR.  
Reg. No. 40,895

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